

## CLAIMS

1. An endoscope (10) comprising an image transmitting system, further fiber optics bundle (20, 21) which is mounted at least by its distal end segment (20) in the endoscope (11) to illuminate the field of view, said bundle, which radiates light from its distal end to illuminate the field of view, itself being illuminated at its proximal end (18) by a light source (19),

characterized in that

it comprises furthermore a light tapping system (22, 23, 26, 27, 28, 29) which taps light from the fiber optics bundle (20, 21) and guides it to a window (25, 30, 31, 32, 33) in the external wall of the endoscope (10).

2. Endoscope as claimed in claim 1, comprising a hookup cable (15) which is fitted with a coupling (16) and which can be disconnected from the endoscope (11) and receiving the proximal end segment (21) of the fiber optics (20, 21), characterized in that the window (25) is mounted in the external wall of the coupling (16).

3. Endoscope as claimed in claim 1, characterized in that an optic fiber (26, 27, 28, 29) branches off the fiber optics bundle (20, 21) and is guided to the window (30, 31, 32, 33).

4. Endoscope as claimed in claim 1, characterized in that the window (32, 33) is configured in the zone of a functional element (14, 13) or of a labeling of the endoscope (10).

5. Endoscope as claimed in claim 1, characterized in that the window is configured in a manner to illuminate a functional element (13) or a labeling of the endoscope (10).

6. Endoscope as claimed in claim 1, characterized in that several light tapping devices and windows are configured in the external wall of the endoscope (10) in a manner to subtend a pattern.